

<b>Job title</b>	Junior Data Scientist		
<b>Job family</b>	Data & Analytics	<b>Band</b>	C

**Job purpose**

The BBC aims to stimulate and delight audiences across the UK with distinctive, creative content. To support this aim, BBC is entering a new charter period of significant and exciting change, developing new capabilities in order to define a BBC fit for the next generation.

**OUR MISSION:** To inform, educate and entertain all audiences, to deliver our public purposes

**OUR AIM:** To reinvent the BBC for a new generation

We'll do this through... **OUR AMBITIONS:** Making sure everyone gets value from the BBC, world-class creativity, global reach, financial stability and making the BBC an even greater place to work.

Individuals within the Data Scientist role is responsible for modelling complex problems, discovering insights and identifying opportunities through the use of statistical, algorithmic, mining and visualisation techniques. In addition to advanced analytic skills, this role is also proficient at integrating and preparing large, varied datasets, architecting specialised database and computing environments, and communicating results.

These professionals will need a combination of business focus, strong analytical and problem solving skills and programming knowledge to be able to quickly cycle hypothesis through the discovery phase of the project. Excellent written and communications skills to report back the findings in a clear, structured manner are required.

As a Junior Data Scientist you will work as part of a multi-disciplinary team to ensure that the BBC's data management, analytics and data science services are implemented and matured in the area that you support to transform business capabilities and enable the next generation of Broadcast and Digital services.

You will be a subject matter expert in your field with specialist domain expertise in at least one technology, software, infrastructure, application, digital or broadcast and production domain. You will provide knowledge and guidance to multiple stakeholders. You will have an appreciation of how the complete range of data science specialisms impact your area and you will use this knowledge to ensure you deliver data-driven change, improve decision making and creative reuse of assets across the area that you support.

**Key responsibilities and accountabilities**

- Support the design of experiments, test hypotheses, and build models
- Conducts data analysis and helps build moderately complex designs algorithm
- Collaborates with subject matter experts to select the relevant sources of data from across BBC divisions
- Works with team leaders and members to solve data science problems and documents results and methodologies
- Works in iterative processes and validates findings, performs experimental design approaches to validate finding or test hypotheses.
- Validates analysis by comparing appropriate samples, employs the appropriate algorithm to discover patterns
- Uses the expected qualification and assurance of the data to quantify the accuracy metrics of the analysis
- Qualifies where information can be stored or what data, external to the organisation, may be used in support of the use case

- Assesses the volume of data supporting the initiative, the type of data (e.g., images, audio, video, text, clickstream etc.) and the speed or sudden variations in data collection
- Collaborates with the data engineer to ensure that the data used follows the compliance, access management, and control policies and that it meets the qualification and assurance requirements
- Recommends ongoing improvements to methods and algorithms that lead to findings, including new information

### Knowledge, skills, training and experience

#### Essential

- Bachelor's degree in mathematics, statistics or computer science or related field, OR knowledge gained through relevant experience.
- Experience with a general-purpose programming language
- Experience in the use of statistical packages
- Familiarity with basic principles of databases
- Demonstrable ability to quickly understand new concepts-all the way down to the theorems-and to come out with original solutions to mathematical issues
- Good communication and interpersonal skills
- Knowledge of one or more business/functional areas

#### Desirable

- Contributing to the development of area of specialism or industry domain
- Broadcast, production, start-up or media experience
- A mix of public sector and commercial experience
- Participation in published documents within your area of specialism
- Successful academic background in your specialist discipline

### Job impact

#### Decision making

- *Provides technical expertise in the development and implementation of data science capability and standards; promoting best practice within the area of business*
- *Assessing options for business as usual and emerging technologies*
- *Assessing the appropriate mix of build/buy options within the area of business taking into account strategic direction, business flexibility and emerging disruptive tech*

#### Scope

- *This is a junior role providing technical expertise across: project teams; technical delivery resources; an emerging matrix organisation*
- *Strategic dimensions: covering transformation mid and long-term (2-5 years)*
- *People Management: no direct reports.*
- *Learns and develops new and emerging approaches*

## JOB DESCRIPTION



<b>Other information</b>	
<b>For Reward team use only</b>	
Job Code	
Definition:	Content Support

*This job description is a written statement of the essential characteristics of the job, with its principal accountabilities, incorporating a note of the skills, knowledge and experience required for a satisfactory level of performance. This is not intended to be a complete, detailed account of all aspects of the duties involved.*

**Appendix**

There may be sub-sets of the generic job described above which require additional technical skills. This appendix to the generic job description can be developed to cover such situations.

<b>Division</b>	<b>Design &amp; Engineering, TS&amp;A</b>
<b>Reports to (title)</b>	<b>Lead Data Scientist</b>
<b>Location base</b>	<b>London / Flexible</b>

<b>Organisation structure</b>	

<b>Additional job specific responsibilities and accountabilities</b>

<b>Approval</b>	
<b>Manager</b>	Name and job title
<b>HR Business Partner</b>	Name
<b>Date</b>	